

High Resolution Climate Change Projections in Support of Adaptation/Mitigation in Ontario

Session Chair: Dr. John Liu

8:30-8:35 Session Introduction

8:35-8:55 Prof. Dick Peltier, University of Toronto – Dynamical Downscaling of Global Warming Projections for Ontario and the Great Lakes Basin with the WRF Regional Climate Model

8:55-9:15 Dr. Xiuquan Wang, University of Regina – High-Resolution Regional Climate Projections on the Ontario Climate Change Data Portal

9:15-9:35 Anne Frigon, OURANOS - High Resolution Regional Climate Projections over Ontario with the Canadian Regional Climate Model (CRCM)

9:35-9:55 Dr. Xin Qiu, York University/Novus Environmental - High Resolution Regional Climate Projections over Ontario Using Ensemble Optimal Interpolation (ENOI) and Local Intensity Scaling (LOCI) Techniques

9:55-10:15 Shannon Fera, Ontario Ministry of Natural Resources and Forestry - Climate Change Projections for Ontario: An updated synthesis for policymakers and planners

10:15-10:35 Dana Krechowicz, Environmental Commissioner of Ontario - Climate Data Landscape in Ontario

10:35-10:40 Session Conclusion



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Key Messages Learned From Previous Sessions:

- Knowing “What to adapt to” is very important (K. Jacobs);
- Non-stationarity is a new paradigm (K. Jacobs);
- Stationarity is dead (Francis Zwiers, Alex Cannon);
- RCMs resulted in apparent added values over GCMs (P. Lucas-Picher)
- Access to timely, useful scientific info at the right scales is exceedingly rare (K. Jacobs);
- Climate data access is one of the barriers for adaptation (??).



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Take Away Messages:

- Climate projections are based on evolving sciences (A. Mailhot);
- There is no option than to provide practitioners the “best” available information (A. Mailhot);
- Many agencies (e.g. PCIC/ECCC, OURANOS/NA-CORDEX, Ontario MOECC and MNRF) are working vigorously to improve climate data quality at the needed scales, its availability and accessibility.
- To know more on what Ontario MOECC is doing on regional climate modelling and analysis, visit <http://TinyURL.com/OntarioClimate>.

